	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
55	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no - 6, item no - 2.3)								
	Sump								
	upto 1.5m		1	3.80	3.80	1.65	23.83		
	Total Qty	**Cum**					**23.83**	**322.92**	**7693.89**
	Basic Rate	**299.00**							
	Sub Total	299.00							
	Area Weightage 8%	23.92							
	Final Rate	322.92							
56	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 465 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 13 Item No. 4.2)								
	Sump								
			1	3.80	3.80	0.15	2.17		
	Total Qty	**Cum**					**2.17**	**5609.52**	**12150.22**
	Basic Rate	**5194.00**							
	Sub Total	5194.00							
	Area Weightage 8%	415.52							
	Final Rate	5609.52							
57	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 16, item No : 4.28)								
	Sump								
	Bottom Raft	1.00	2	3.50		0.25	1.75		
		1.00	2	3.50		0.25	1.75		
	Total Qty	**Sqm**					**3.50**	**278.64**	**975.24**
	Basic Rate	**258.00**							
	Sub Total	258.00							
	Area Weightage 8%	20.64							
	Final Rate	278.64							
58	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.31)								
	Sump								
	Walls	1.00	4	3.50		1.00	14.00		
		1.00	4	3.00		1.00	12.00		
	Total Qty	**Sqm**					**26.00**	**386.64**	**10052.64**
	Basic Rate	**358.00**							
	Sub Total	358.00							
	Area Weightage 8%	28.64							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Final Rate	386.64							
59	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitonsupto 3.50m from ground level. Specification No. KBS 4.6.2 Upto 0-5meter(Page No : 16, item No : 4.29.2)								
	Sump								
	Top Slab	1.00	1	3.00	3.00		9.00		
	Total Qty	**Sqm**					**9.00**	**432.00**	**3888.00**
	Basic Rate	**400.00**							
	Sub Total	400.00							
	Area Weightage 8%	32.00							
	Final Rate	432.00							
60	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 14, item No : 4.11)								
	Sump								
	Bottom Raft	1.00	1	3.50	3.50	0.25	3.06		
	Walls	1.00	2	3.50	0.25	1.00	1.75		
		1.00	2	3.00	0.25	1.00	1.50		
	Total Qty	**Cum**					**6.31**	**6111.72**	**38580.23**
	Basic Rate	**5659.00**							
	Sub Total	5659.00							
	Area Weightage 8%	452.72							
	Final Rate	6111.72							
61	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Page No : 14, item No : 4.13)								
	Top Slab		1	3.50	3.50	0.15	1.84		
	Total Qty	**Cum**					**1.84**	**6363.36**	**11692.67**
	Basic Rate	**5892.00**							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Sub Total	5892.00							
	Area Weightage 8%	471.36							
	Final Rate	6363.36							
62	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No : 18, item No : 4.46.2)								
	For Sump at 120kg/cum			8.15	120.00		978.00		
	Total Qty	**Tonne**					978.00		
	Basic Rate	**70966.00**					**0.98**	**76643.28**	**74957.13**
	Sub Total	70966.00							
	Area Weightage 8%	5677.28							
	Final Rate	76643.28							
63	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification (Page No : 69, item No : 10.5.1)								
	Top slab		1	3.50	3.50		12.25		
	Total Qty	**Sqm**					**12.25**	**568.08**	**6958.98**
	Basic Rate	**526.00**							
	Sub Total	526.00							
	Area Weightage 8%	42.08							
	Final Rate	568.08							
64	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto SO m. and lift upto 1.S m. including cost of all labour complete as per specifications. specification. No. KBS(Page No : 7, item No : 2.10)								
	Around Sump								
		1.00	4	3.50	0.15	1.50	3.15		
	Total Qty	**Cum**					**3.15**	**217.08**	**683.80**
	Basic Rate	**201.00**							
	Sub Total	201.00							
	Area Weightage 8%	16.08							
	Final Rate	217.08							
65	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications..(Page No.115,								
	Internal Plastering		1	3.00		1.00	3.00		

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
			1	3.00		1.00	3.00		
	Total Qty	**Sqm**					**6.00**	**227.88**	**1367.28**
	Basic Rate	**211.00**							
	Sub Total	211.00							
	Area Weightage 8%	16.88							
	Final Rate	227.88							
66	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No. 116, I.No. 15.21 of KPWD SR 2015-16)								
	Ceiling		1	3.00	3.00		9.00		
	Total Qty	**Sqm**					**9.00**	**253.80**	**2284.20**
	Basic Rate	**235.00**							
	Sub Total	235.00							
	Area Weightage 8%	18.80							
	Final Rate	253.80							
67	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications. (Page No. 117, Item No. 15.39)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**6.00**	**6.48**	**38.88**
	Basic Rate	**6.00**							
	Sub Total	6.00							
	Area Weightage 8%	0.48							
	Final Rate	6.48							
68	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(Page No. 117, Item No. 15.41)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**9.00**	**7.56**	**68.04**
	Basic Rate	**7.00**							
	Sub Total	7.00							
	Area Weightage 8%	0.56							
	Final Rate	7.56							
69	KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications.(Page No. 150, Item No. 19.97)								
	30kg/Cover	Kg	2	0.03			**0.06**	**7761.96**	**465.72**
	Basic Rate	**7187.00**							
	Sub Total	7187.00							
	Area Weightage 8%	574.96							
	Final Rate	7761.96							

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Providing and fixing M.S foot rests with CC 1:3:6 and 20 x 20 mm square bar for Manholes (BWSSB SR 2017-18, Page No : 165 I.No: 75)								
		Each	3						
	Basic Rate	**244.00**					**3.00**	**244.00**	**732.00**
	Electrification								
71	Point wiring using copper wire without switch								
	Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using 1100V grade, copper conductor flecxible multistrand FRLS PVC insulated, 2x.1.5Sqmm cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block.complete for each outlet.								
	Point wirig using class A Materials								
	a) Short point upto 3.0M from tapping point to outlet via switch box.KKPWD SR 14-15 Chap No, Item No, Page No2-2.3.1-5								
		Each	15				15	144.00	2,160.00
	b) Medium point above 3.0M upto 6.0M from tapping point to outlet via switch box KKPWD SR 14-15 Chap No, Item No, Page No2-2.3.2-5								
		Each	15				15	215.00	3,225.00
	d) Two outlet in a row, above 3.0M upto 6.0M from tapping point to outlet via switch boxKKPWD SR 14-15 Chap No, Item No, Page No2-2.3.4-5								
		Each	10				10	423.00	4,230.00
	e) Three outlet in a row, above 6.0M upto 10.0M from tapping point to outlet via switch box KKPWD SR 14-15 Chap No, Item No, Page No2-2.3.5-5								
		Each	5				5	593.00	2,965.00
72	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.Cwall								
	a) 1-3Way KKPWD SR 14-15 Chap No, Item No, Page No3-3.5.1-15								
		Each	15				15	91.00	1,365.00
	b) 4-5Way KKPWD SR 14-15 Chap No, Item No, Page No3-3.5.2-15								
		Each	15				15	98.00	1,470.00
73	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.								
	a) 1-3Module KKPWD SR 14-15 Chap No, Item No, Page No3-3.6.1-16								
		Each	8				8	109.00	872.00
	b) 4Module KKPWD SR 14-15 Chap No, Item No, Page No3-3.6.2-16								
		Each	8				8	122.00	976.00
74	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293								
	Group 'A' Material								
	a) 6Amps one Way Item No, Page No3-3.7.1-16								
		Each	15				15	63.00	945.00
	b) 6Amps Two way Item No, Page No3-3.7.2-16								
		Each	10				10	87.00	870.00
	c) 6Amps 3way socket Item No, Page No3-3.7.3-16								
		Each	10				10	95.00	950.00
	d) Steeped fan Regulator Item No, Page No3-3.7.4-16								

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
		Each	10				10	286.00	2,860.00
	e) 16Amps one way switch Item No, Page No3-3.7.7-16								
		Each	2				2	114.00	228.00
	f) 6Amps Bell push Item No, Page No3-3.7.8-16								
		Each	2				2	87.00	174.00
	g) 6/16Amps universal socket Item No, Page No3-3.7.10-16								
		Each	2				2	147.00	294.00
75.00	Supply and fixing metal fan box with round hook Item No, Page No1-1.12-3								
		Each	3				3	92.00	276.00
75.10	Supply and fixing of 6Amps bell buzzer on existing switch board. Item No, Page No3.15.8-17								
		Each	2				2	117.00	234.00
75.20	Concealed Conduit System:								
	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary								
	a) 19mm dia 2mm thick Item No, Page No1-1.2.1-2								
		Mtr	125				125	43.00	5,375.00
	b) 25mm dia 2mm thick Item No, Page No1-1.2.2-2								
		Mtr	125				125	57.00	7,125.00
	c) 32mm dia 2.5mm thick Item No, Page No1-1.2.3-2								
		Mtr	50				50	90.00	4,500.00
75.30	Groove cutting								
	Supplying following size heavy guage PVC conduit pipe following thick with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the surface of the brick level and run with 18SWG GI fish wire run through out the conduit where ever necessary.								
	a) 19mm dia 2mm thick Item No, Page No1-1.3.1-2								
		Mtr	150				150	56.00	8,400.00
	b) 25mm dia 2mm thick Item No, Page No1-1.3.2-2								
		Mtr	125				125	58.00	7,250.00
	c) 32mm dia 2.5mm thick Item No, Page No1-1.3.3-2								
		Mtr	75				75	88.00	6,600.00
75.40	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A.								
	a) 1.5sqmm Item No, Page No2-2.5.2-6								
		M	140				140	18.60	2,604.00
	b) 2.5sqmm Item No, Page No2-2.5.3-6								
		M	130				130	29.20	3,796.00
	c) 4sqmm Item No, Page No2-2.5.4-6								
		M	100				100	42.10	4,210.00

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	10sqmm Item No, Page No2-2.5.5-6								
		M	80				80	63.80	5,104.00
	f) 16sqmm Item No, Page No2-2.5.7-6								
		M	80				80	171.00	13,680.00
76.00	Supplying and fixing regular MCCB distribution Panel confirm to IS 8828, on wall/ woodboard / flush mounting using required clamps,bolts, nuts etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with neccesary busbar completely wired to use on 440Volts 3Phase 4wire powder coated painting etc., complete with a provision for fixing of single /three phase suitable capacity MCCB/MCB as outgoings confirm to IS8828.								
	a.8Way Group A Item No, Page No6.14.4 page 54								
		Each	2				2	9,095.00	18,190.00
76.01	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with the thermal magnetic/micro processor release and earth fault as per IS -13947 (Icu=Ics)								
	a.100Amps 3Pole 25kA Item No, Page No6.12.1 page 53								
		Each	2				3	4,044.00	12,132.00
76.02	Supplying and fixing regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting etc., Made out of 14SWG MS enclosure.								
	Single Door								
	a.8way SP &N Item No, Page No6.16.3 page 54								
		Each	2				2	866.00	1,732.00
76.03	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker (ELMCB) 240/450V upto 300mA sensitivity on exisiting wood/panel board.								
	a.16-25Amps 2 pole Item No, Page No6.17.1								
		Each	1				1	2,412.00	2,412.00
	b.32-40Amps 4 pole Item No, Page No6.14.3								
		Each	1				1	2,936.00	2,936.00
	c.63Amps 4 pole Item No, Page No6.17.4 page 55								
		Each	1				1	3,350.00	3,350.00
76.04	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898.								
	a.5-32A SP MCB Group A Item No, Page No6-6.16.1-47								
		Each	2				2	418.00	836.00
	b.5-32A TPN MCB Group A Item No, Page No6-6.16.5-47								
		Each	1				1	1,547.00	1,547.00
	c.40-63A TPN MCB Group A Item No, Page No6-6.16.6-47								
		Each	1				1	1,936.00	1,936.00
	Supply of Fittings								

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	Supplying of 2' - LED PVC square batten 28Watts with high quality diffuser with life of 25000 burning hours & 70% lumen maintanance with CRI > 80. Power input: 220-240V @ 50Hz & power factor > 0.9 along with CE approved drivers. 5years warranty against any manufacturing defect working under standard electrical condition.								
	1x4'.28Watts Item No, Page No4-4.29.2-27	Each	8				8	1,774.00	14,192.00
76.06	Supplying and fixing PBBC bakelite straight or slant batten holder and wiring with Group A 60w/230 V Item No, Page No4-4.2-20	Each	8				8	88.00	704.00
76.07	Supplying of 2 pin/4pin 18W CFL lamp Item No, Page No4-4.38.18-30	Each	8				8	120.00	960.00
76.08	Supplying CFL Mirror light fitting with 1x11W CFL lamp, choke, perspex cover and completely wired for use on 230V 50Hz AC Supply Item No, Page No4.23-24	Each	3				3	648.00	1,944.00
76.09	Supply of 2'x2' LED recessed luminaire with following watts system wattage. Housing shall be with pressure die cast aluminium alloy with corrosion proof resistant polyester powder coated. Driver operates with voltage range from 100V to 270V 50/60Hz with short circuit, over load & mis-wiring protection. Lumen maintanance of 70% at 50000Hrs. Injection moulded polycarbonate diffuserfor better mechanical stability, light transmission & avoid pot hole effect. Junction temparature shall be <70degree celsius. Driver is on constant current driver @ 0.6A with PF >0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficency >85% THD < 15%. LED Efficeiency > 130 lm/W at 1W & fixture efficiency > 75Lm/W with CRI >75 with injection moulded polycarbonate lens with < 80mm depth. 5Years warranty against any manufacturing defect working under standard electrical condition.								
	a.LED modular down light 1'x1' - 36Watts Group A Item No, Page No4-4.33.1-	Each	6				6	7,006.00	42,036.00
76.10	Supplying of 1440rpm heavy duty exhust fan with bracket blades suitable for operate on 230V 50Hz, AC Supply complete.								
	15" sweep (450mm) Group A Item No, Page No 9.2.3 Pg 84	Each	12				12	4,394.00	52,728.00
76.11	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double, ball bearing system and as per technical data approved.								
	48" Sweep (1200mm)								
	Regular Model Item No, Page No9-9.3.1.1-84	Each	4				4	2,376.00	9,504.00
76.12	Supplying wall mounting fan suitable to operate at single phase 230V AC Supply.								
	400mm sweep Group A Item No, Page No9.4.3-84	Each	1				1	2,534.00	2,534.00

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
76.13	Supplying of LED Flood light with following Watts system power consumption pressure die cast aluminium housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic driver, PF>0.9, should meet ANSI 2G vibration test, compliance to UL/CE with class I. System rating shall be 50K hours @ Lumen maintanance of 70% system efficiency > 80lm/W. Over load & short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintanance at the site location with minimized minimal tools. LED light fixture with following watts system power consumption. LED Efficiency > 130lm/W at 1W & fixture efficiency > 80lm/w with nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any governmet certified agency & design & development facility certified by ISO 9001:2008.								
		each	3				3	6,500.00	19,500.00
76.14	Fixing a ceiling/Wall mounting fan of all capacities and all types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring completely.Item No, Page No17-17.8-115								
		Each	1				1	139.00	139.00
76.15	Fixing one exhaust fan after making a suitable nitch in the wall and finishing with cement mortar and colouring to match the existing wall or rackets with bolts and nutsand a 5 amps, ceiling rose with sufficient length of 23/ 0.0076 inch PVC insulated twin core wire of approved make with wire mesh and wooden frame if required. Item No, Page No17-17.11-115								
		Each	2				2	680.00	1,360.00
(Electronic Public Toilet)									
77	Providing and Installing Electronic Public -Toilet is a Indian/western style closet, display instruction boards & Audio Instructions modular type, pre-fabricated public toilet made of Stainless steel and integrated with user-friendly electronic interfaces, to ensure cleanliness and hygiene to every user, Unmanned Operation system Electronic Public -Toilet have remote monitoring capabilities and its status can be tracked over web. These toilets incorporate full-cycle approach in sustainable sanitation by integrating electrical, mechanical and web technologies. They control entry, usage, cleaning, and remote monitoring capabilities with multiple revenue options, Overall out size shall be L-1.23 X W- 2.32 X H- 3.02 Meters With Aesthetic finish and Inner usable Size in Bottom 1.0 X 1.25 Meters Body is made up of stainless steel SS 304 Double layered with in filled Technology for weather control, Water storage tank of 300 Liters on top of the toilet, Access control using coin validator Accepts Min 6 Types of coins (Rs 1, 2, 5),LED Lights and Fans Power saving technology by user sensing Devices both inside and outside, Automatic Flushing system with pressurized water (Pre flush and post flush with water saving technology) And also provision for Manual flush for Min of two times, Automatically floor cleaning after every 5 users and also provision for Manual Floor Wash for Min of two times, display light outside the toilet unit, which shows whether the unit is 'Occupied' by indicating with Red light or 'Unoccupied' by indicating with Green light. And Maintenance/Water Low indicating with Yellow light., Web enabled support by GPRS based real time data to be provided (Through Web and Mobile) to control room for monitoring the status of the unit, like water Low, number of users per day, coin collected, Fault location etc., Backup power facility by providing UPS of Min 5 Hours Backup, Provision for Advertisements display on exterior sides of the unit for revenue generation, Outside light glows by sensing the outside darkness, Provision Of automation for water pumping, Systems supplied are warranted for satisfactory performance under normal								

	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
		Nos	3.00				3.00		
							3.00	640,000.00	**1920000.00**
78	Annual maintenance of the E-Toilets after completion of intial maintenance of 2 years further for a period THREE years against the revenue of pay and use collected through the toilet users and advertisement revenue by displaying advertisement on the E-Toilet unit (maximum area of display allowed is approx.., 5 square m3eters) as per terms and conditions of bid document. (QUOTATION APPROVED RATE)								
	18 months x 3611.11=64999.98 for 01 number	months	3.00			3.00	3.00		
							3.00	64,999.98	**194999.94**
79	Earthwork in surface excavation in Hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. No. KBS 2.1(a) / 2.3.1. (P.No. 6/I.No. 2.2 of								
	0.20+0.25/2	Cum	3.00	3.75	3.75	0.25	10.55		
							10.55	376.92	**3975.33**
	Basic rate	349.00							
	Sub Total	349.00							
	Area Weightage 8%	27.92							
	Final Rate	**376.92**							
80	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. 4.1, 4.2. (P.No.13, I.No. 4.3 of KPWD SR 2018-19)								
		Cum	3.00	3.75	3.75	0.22	9.28		
							9.28	5,510.16	**51141.17**
	Basic rate	5102.00							
	Sub Total	5102.00							
	Area Weightage 8%	408.16							
	Final Rate	**5510.16**							
81	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (P.No. 103, I.No. 14.7 of KPWD SR 2018-19)								
		sqm	3.00	4.10	4.10		50.43		
							50.43	1,198.80	**60455.48**
	Basic rate	1110.00							
	Sub Total	1110.00							
	Area Weightage 8%	88.80							
	Final Rate	**1198.80**							

No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
					A.Sub Total Cost of KPWD SR items				2070015.35
82						B.Total Construction Cost			4469157.29
83			C.Cost towards PMC / Third Party inspection LS=A*2%						89384.00
84	D.Cost towards 12% GST on KPWD SR Items and PMC Charhes=(A+C)*12%								259127.92
85			E.Cost towards 3% KRIDL Charges+ 1% CESS=B*4%						178766.29
						F.Sub Total=(B+C+D+E)			4996435.51
86					G.Miscellaneous and rounding off				3564.49
							H.Total=(F+G)		5000000.00

Certificate.

1 The workspot was inspected and work is found to be necessary.
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The rates adopted based on the KPWD Electrical SR 2014-15, BWSSB SR 2017-18, KPWD SR, Bangalore circle for year 2018-19.
4 The provisions made in the estimate are necessary and essential.

Assistant Engineer | Assistant Executive Engineer | Executive Engineer

Administrative Approval

Accorded For Rs. 50.00 Lakhs
Head of A/C P-3294
CER NO :20 Dt:30/11/18

E.E. (Project) 30/11

Technical Sanction

Accorded For BSSO: Wherever
Head of A/C P 3294
CER NO :IS/112/18-19 Dt:30.11.18

TA CE (YNK)